

#15

SEQUENCE LISTING

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KLUG, AARON
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<120> NUCLEIC ACID BINDING PROTEINS

<130> 71278/264975

<140> 09/424,487

<141> 1999-11-23

<150> GB 9710809.6

<151> 1997-05-23

<150> PCT/GB98/01512

<151> 1998-05-26

<160> 114

<170> PatentIn Ver. 2.1

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<212> DNA

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Ala Glu Glu Lys Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser	
1 5 10 15	
gat cgt act act ctt acc cgc cac acg agg acc cac aca ggc gag aag	96
Asp Arg Thr Thr Leu Thr Arg His Thr Arg Thr His Thr Gly Glu Lys	
20 25 30	
cct ttt cag tgt cga atc tgc atg cgt aac ttc agc agg agc gat aac	144
Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp Asn	
35 40 45	
ctt acg aga cac cta agg acc cac aca ggc gag aag cct ttt cag tgt	192
Leu Thr Arg His Leu Arg Thr His Thr Gly Glu Lys Pro Phe Gln Cys	
50 55 60	
cga atc tgc atg cgt aac ttc agg caa gct gat cat ctt caa gag cac	240
Arg Ile Cys Met Arg Asn Phe Arg Gln Ala Asp His Leu Gln Glu His	
65 70 75 80	
cta aag acc cac aca ggc gag aag	264
Leu Lys Thr His Thr Gly Glu Lys	
85	

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 Asp Arg Thr Thr Leu Thr Arg His Thr Arg Thr His Thr Gly Glu Lys
 20 25 30
 Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp Asn
 35 40 45
 Leu Thr Arg His Leu Arg Thr His Thr Gly Glu Lys Pro Phe Gln Cys
 50 55 60
 Arg Ile Cys Met Arg Asn Phe Arg Gln Ala Asp His Leu Gln Glu His
 65 70 75 80
 Leu Lys Thr His Thr Gly Glu Lys
 85

<210> 3
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<222> (18)..(19)
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Leu Xaa Xaa His Xaa Xaa Xaa His
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<210> 4
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<210> 5
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<220>
<223> Description of Artificial Sequence: Linker

<400> 5
Thr Gly Glu Lys Pro
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<210> 6
<211> 26
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<220>
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Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
1 5 10 15

Leu Val Lys His Gln Arg Thr His Thr Gly
20 25

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 20 25

 <210> 8
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 Met Ala Glu Glu Lys Pro
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 <210> 9
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 Thr Arg His Thr Arg Thr His Thr Gly Glu Lys Pro
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<220>
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Gly Gln Lys Pro
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Thr His Ile Arg Thr His Thr Gly Glu Lys Pro
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<223> Description of Artificial Sequence: Zinc finger peptide

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His Thr Lys Ile His Leu Arg Gln Lys Asp
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<210> 17

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<223> Description of Artificial Sequence: Zinc finger peptide

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<210> 18

<211> 4

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<223> Description of Artificial Sequence: Zinc finger peptide

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<400> 19
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<210> 20
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Gln Ser Gly Asp
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<210> 22
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<220>
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Gln Leu Ala Thr
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Gln Arg Ala Ser
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Ser Ser Gly Asp
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<400> 27
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<210> 28
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<210> 35
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<213> Artificial Sequence

<220>
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<210> 36
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<210> 37
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<220>
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<210> 40
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<220>
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<210> 42
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<220>
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<220>
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<400> 43
Arg Thr Ser Thr
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<210> 44
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<220>
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Thr Arg Tyr Ser
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<220>
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Thr Ser Ser Ser
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<220>
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<400> 52
Ser Ser Ser Thr
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<211> 4
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<220>

<223> Description of Artificial Sequence: Zinc finger
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Thr Ile Ser Asn
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<210> 54
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<220>
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Thr Ser Thr Ala
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<210> 55
<211> 4
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Thr Ser Ser Leu
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<210> 56
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Thr Ser Ser Ile
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<210> 57
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<220>
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Thr Ser Asn Ser

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<400> 58
Gly Ser Asn Asp
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<210> 59
<211> 4
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<220>
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Thr Thr Ser Ser
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Thr Ala Gly Ser
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Thr Thr Ser Ser
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<210> 62
<211> 4

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<220>
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peptide

<400> 62
Thr Ser Ser Ala
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<211> 4
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<220>
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Leu Ser Thr Thr
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<210> 64
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Asp Pro His Asn
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<400> 66
His Ser Lys Ser
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<210> 67
<211> 4
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<220>
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<400> 67
His Arg Gln Asn
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<210> 68
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<220>
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peptide

<400> 68
Asp Arg Ala Asn
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<210> 69
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<210> 70
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<400> 70
Arg Ser Gln Asp
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<210> 71
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Gln Val Gly His
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<210> 72
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<220>
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Gln Leu Ala Thr
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Thr Ser Gln Ala
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<210> 74
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<220>
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Thr Ser Ala Ser
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<210> 75
<211> 4
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<223> Description of Artificial Sequence: Zinc finger peptide

<400> 75

Leu Ala Gln Thr

1

<210> 76

<211> 4

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<223> Description of Artificial Sequence: Zinc finger peptide

<400> 76

Arg Ser Arg Asp

1

<210> 77

<211> 4

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<223> Description of Artificial Sequence: Zinc finger peptide

<400> 77

Arg Leu Arg Asp

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<210> 78

<211> 4

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<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 78

His Leu Ala Thr

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<210> 79

<211> 4

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<220>

<223> Description of Artificial Sequence: Zinc finger peptide

<400> 79
His Leu Thr Thr
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<210> 80
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<220>
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peptide

<400> 80
Val Gly His His
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<210> 81
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<220>
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peptide

<400> 81
His Pro Ala Thr
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<210> 82
<211> 4
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<400> 82
His Pro Ala Asn
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<210> 83
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<400> 83
His His Ser Asn
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<210> 84
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<220>
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<400> 84
Asp Ser Arg Ala
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<210> 85
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<220>
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<210> 86
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<220>
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<400> 86
Ser Ser Ser Asp
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<210> 87
<211> 4
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<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 87
Arg Ser His Asp
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<210> 88
<211> 4
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<220>
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Arg Ser Ser Tyr
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<210> 89
<211> 4
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<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 89
Arg Ser Ser Ser
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<210> 90
<211> 4
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<220>
<223> Description of Artificial Sequence: Zinc finger
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<400> 90
Arg Lys Thr Asp
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<210> 91
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<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 91
Gln Ile Ser Thr
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<210> 92
<211> 4
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<220>
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peptide

<400> 92
Gln Ile Gly Ala
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<210> 93
<211> 4
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<220>
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peptide

<400> 93
Gln Tyr Ser Thr
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<210> 94
<211> 4
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<400> 94
Gln Ser Ala Ser
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<210> 95
<211> 4
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<220>
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<400> 95
Gln Ser Gln His
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<210> 96
<211> 4
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<400> 96
Gln Thr Ser His
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<400> 97
Gln Pro Gly His
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<210> 98
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<400> 98
Gln Asp Thr Thr
1

<210> 99
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peptide

<400> 99
Gln Asp Ser Thr
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Thr Ala Ser His
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peptide

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Thr Ser Ser Val
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Thr Ser Ser Ala
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peptide

<400> 104
His His Thr Ser
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<210> 105
<211> 4
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<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 105

His Ala Gln Thr
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<210> 106
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<220>
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peptide

<400> 106
His Ala Thr Thr
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<220>
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peptide

<400> 107
Asp His Ser Ser
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<210> 108
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<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 108
His Pro Ser Thr
1

<210> 109
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 109
Asp Ser Ser Arg
1

<210> 110

<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 110
gtggtgggcg ccggcggtgt gggcaag

27

<210> 111
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic DNA

<400> 111
gtggtgggcg ccgtcggtgt gggcaag

27

<210> 112
<211> 34
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 112
Met Ala Glu Glu Lys Pro Phe Gln Cys Arg Ile Cys Met Arg Asn Phe
1 5 10 15

Ser Asp Arg Ser Ser Leu Thr Arg His Thr Arg Thr His Thr Gly Glu
20 25 30

Lys Pro

<210> 113
<211> 28
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 113
Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Asp Arg Ser Ser Leu
1 5 10 15

Thr Arg His Thr Arg Thr His Thr Gly Glu Lys Pro
20 25

<210> 114
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Zinc finger
peptide

<400> 114
Phe Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Asp Arg Ser Ser Leu
1 5 10 15

Thr Arg His Thr Arg Thr His Thr Gly Glu Lys
20 25